

**METHODS OF TREATING PIN1 ASSOCIATED DISORDERS BY**  
**COVALENT MODIFICATION OF ACTIVE SITE RESIDUES**

5 This invention pertains to methods of treating Pin1 associated disorders through the administration of an MSPCIT. The invention further pertains to novel compounds that are able to modulate Pin1 activity by forming a specific covalent interaction with an amino acid residue in the active site of Pin1.